

MINING APPLICATION  
NO. ACT/047/008  
Date March 3, 1977

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN  
(Other forms may be used in lieu of MR 2, provided  
they contain the same information)

1. Name of Applicant or Company A.L. HATCH
2. Proposed type of operation Gilsonite Mining
3. (a) Prior Land Use(s) Grazing, Mining  
(b) Current Land Use(s) Grazing  
(c) Possible or Prospective Future Land Use(s) Grazing, Mining
4. What vegetation exists on the land proposed to be affected Shadscale,  
Greasewood, Rabbitbrush, galleta grass, cactus  
(a) Types and Estimated Percent cover or density: 25% cover
5. What is the pH range of soil before mining? 7-8 pH  
Name of Person or Agency and method of determining pH Utah Division of  
Oil, Gas, and Mining
6. Site elevation above sea level 5170'
7. In case of coal, oil shale, and bituminous sandstone:  
Principal seam(s) and thickness(es) N/A
8. Estimated duration of mining operations Unknown
9. Has overburden, waste or rejected materials been classified as acid or  
alkali producing? ( ) Yes (X) No  
Does the above material being moved have any other characteristics  
affecting revegetation? No
10. Will any underground workings or aquifers be encountered? ( ) Yes (X) No  
Describe \_\_\_\_\_  
Is there an active discharge of water from abandoned deep mines on or  
crossing the land affected? ( ) Yes ( ) No If yes, describe  
the quality of water being discharged. \_\_\_\_\_



11. Describe specifically a detailed procedure for: SEE ATTACHMENT 'A'
- (a) The mining sequence
  - (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
  - (c) The procedure for site preparation including removing trees and brush.
  - (d) The method for removing and stockpiling topsoil or disturbed materials.
  - (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic materials.
  - (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe: SEE ATTACHMENT 'B'

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

Local experience will be the guide to stability

Describe method for the testing of soil that is intended to support vegetation

Standard nutrient tests for N,P, & K

2. Describe any soil treatment employed as an aid to revegetation \_\_\_\_\_

Fertilization and scarification, if needed.

3. Describe surface preparation of areas intended to support vegetation:

Mulching, if needed.

REVEGETATION

1. Revegetation to be completed by:

<input checked="" type="checkbox"/> Operator	<input type="checkbox"/> Hydroseeding
<input type="checkbox"/> Soil Conservation District	<input type="checkbox"/> Aerial Seeding
<input type="checkbox"/> Private Contractor	<input checked="" type="checkbox"/> Conventional or Rangeland Drill
<input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Broadcast and Drag
	<input type="checkbox"/> Other _____



2. Will Mulch be used? ( ) Yes (X) No

Type: \_\_\_\_\_ Rate/Acre \_\_\_\_\_ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Fairway crested wheat	4	All Areas	All	Late Fall
Fourwing Saltbush	1	" "	"	" "
Russian wildrye	2	" "	"	" "
Indian Ricegrass	1	" "	"	" "

4. Will affected area be subject to livestock or wildlife grazing?

(X) Yes ( ) No Will vegetation protection be needed? No, grazing  
is very limited

5. Will irrigation be used: ( ) Yes (XX) No Type \_\_\_\_\_

6. Describe maintenance procedures for revegetation if needed, until surety release is granted.

Replanting in case of crop failure.



STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_, having been duly sworn  
depose and attest that all of the representations contained in the foregoing  
application are true to the best of my knowledge; that I am authorized to  
complete and file this application on behalf of the Applicant and this  
application has been executed as required by law.

Signed: G. L. Hatch

Taken, subscribed and sworn to before me the undersigned authority  
in my said county, this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_.

Notary Public: \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as  
follows:

"Information relating to the location, size, or nature  
of the deposit and marked confidential by the operator,  
shall be protected as confidential information by the  
Board and the Division and not be a matter of public  
record in the absence of a written release from the  
operator, or until the mining operation has been  
terminated as provided in subsection (2) of section  
40-8-21."

Is confidential information contained herein?

YES \_\_\_\_\_ (Initial)

NO \_\_\_\_\_ (Initial)

Sections desired to be maintained as confidential information -

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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DECLARATION OF EXEMPTION

\* \* \* \* \*

(See Mined Land Reclamation Act 40-8-4(6))

As provided for in Section 40-8-4 UCA 1953, I hereby declare an exemption from the "Utah Mined Land Reclamation Act", in that less than 500 tons of material is being mined or less than two (2) acres of land is being excavated or used as a disposal site during a period of twelve (12) consecutive months, from the following designated claims, leases, or fee acreage.

NAME OF CLAIM, LEASE, OR FEE ACREAGE	$\frac{1}{4}$ , $\frac{1}{2}$ SECTION	LOCATION TOWNSHIP	RANGE	COUNTY
Black Gnat #32651	SE $\frac{1}{4}$ SE $\frac{1}{4}$ 16	9 South	20 East	Uintah
*Possible Mining in the future	(NW $\frac{1}{4}$ SE $\frac{1}{4}$ 16)	"	"	"
Commodity: <u>Gilsonite</u>				

Date: 3/3/77

Signature: A.L. Hatch

OPERATOR: A.L. HATCH

ADDRESS: P.O. Box 735, Vernal, Utah 84078

TELEPHONE: 789-2948

\* This form needs to be filed one time only. In the event more than the minimum size requirements are mined, a Notice of Intention to Commence Mining Operations (MR Form 1) and a Mining and Reclamation Plan (MR Form 2) will need to be filed with this office.



A. Underground mining will be conducted in a safe, orderly and mine like fashion.

B. Existing roads will be used without maintenance.

C. Old dumps will be leveled. Wooden collars removed.

All debris cleaned up and hauled away.

D. Drainage ditches will be maintained in the event of water.

#### AFTER OPERATIONS

1. Extraneous debris, wood, metal, etc., will be removed from area.
2. Shafts will be sealed with one foot of reinforced concrete.
3. Muck and waste dumps will be graded to surface contour.
4. Six inches of top soil will be placed over dump area.
5. All disturbed areas will be revegetated with crested wheat at the rate of 2 lbs. per acre using drill.

ATTACHMENT 'A'

11. Describe specifically a detailed procedure for:

- (a) The gilsonite will be removed from the vertical vein in an efficient, miner-like fashion, using the latest approved and proven gilsonite mining methods and procedures for underground mining.

A concrete collar will be poured around the shaft openings and a steel head-frame bolted to it and braced. Gilsonite will be lifted to the surface by both bucket elevator, and suction air lift.

No new shafts will be sunk and the gilsonite will be extracted from the vein only from the three existing shafts. All operations will be conducted underground and surface ground will not be disturbed except for the placement of a steel hoist house and bath house, and a mobile office near the two southeast shafts.

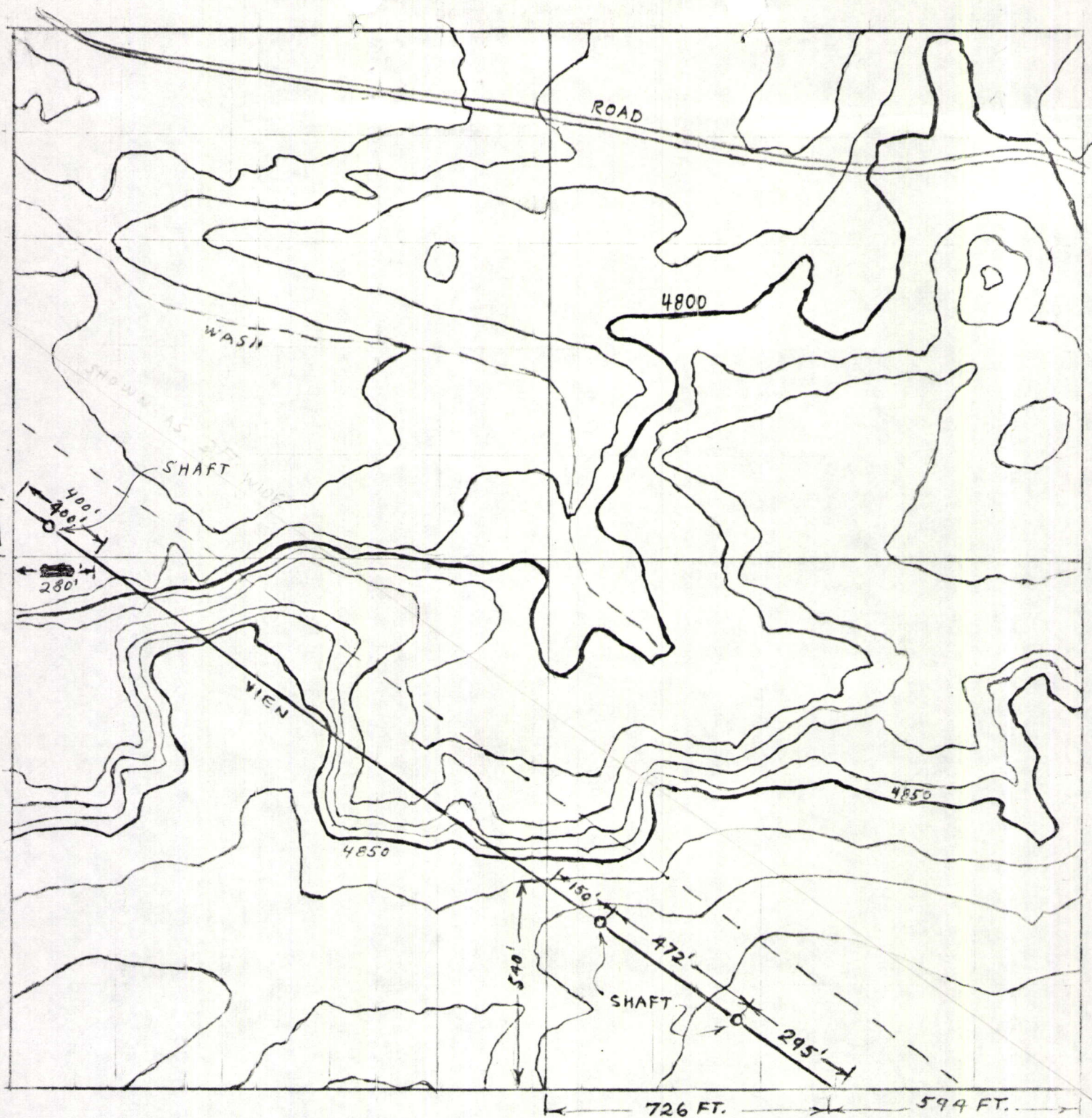
- (b) An existing track will be upgraded and used as an access road. No grading or fill or cutting is required. The land is relatively flat.
- (c) No surface vegetation will be removed except as stated in 11(a).
- (d) same as above
- (e) No acid or alkali producing materials are anticipated to be moved during the operation. Gilsonite ore will be stockpiled in the location shown on the attached map.
- (f) There will be practically no waste materials. In the event that any sandstone must be removed in deepening the shafts, it will be spread on the immediate access road to provide a more stable base on the sandy roadbed. No tailing deposits are required.

ATTACHMENT 'B'

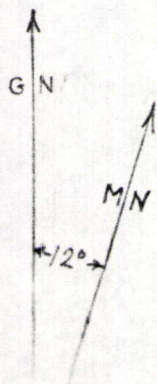
There is no surface disturbance anticipated.

However, we plan to level the preexisting mound next to the old mine shaft.





SOUTHEAST QUARTER OF SECTION 16, T.9 S. R.20 E.



DOTTED LINE SHOWS APPROXIMATE LOCATION OF SECOND VEIN (12" WIDE AT SURFACE)



★ WHAT LITTLE ROCK WE HAVE TO TAKE OUT OF THE EXISTING SHAFTS WE TEND TO SPREAD ON SAND TO STABILIZE ROADBASE IN AREA OF STAR. VERY LITTLE ROCK OR EARTH WILL NEED TO BE REMOVED HOWEVER BECAUSE ALL THREE SHAFTS ARE ALREADY IN. ONLY GILSONITE WILL BE REMOVED NOW AND NO TAILING DEPOSITS WILL BE REQUIRED, NO MORE NEW SHAFTS WILL BE SUNK ON THIS PROPERTY.

